

Anti-CNTNAP2 / CASPR2 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17453

Product Information

Application	WB, IHC-P
Primary Accession	Q9UHC6
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148167

Additional Information

Gene ID	26047
Alias Symbol	CNTNAP2
Other Names	CNTNAP2, AUTS15, CDFE, CASPR2, KIAA0868, PTHSL1, NRXN4
Target/Specificity	Endogenous levels of mouse and rat Caspr2. It is predicted to react with human Caspr2 according to sequence homology. Positive Control: mouse brain and rat brain.
Reconstitution & Storage	Lyophilized from PBS, pH 7.4, 0.02% sodium azide. Store lyophilized at -20°C. The reconstituted product can be stored for short term at 4 °C or long term at -20 °C or below. Avoid freeze/thaw cycles.
Precautions	Anti-CNTNAP2 / CASPR2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CNTNAP2
Synonyms	CASPR2 {ECO:0000303 PubMed:10624965}, KI
Function	Required for gap junction formation (Probable). Required, with CNTNAP1, for radial and longitudinal organization of myelinated axons. Plays a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Demarcates the juxtaparanodal region of the axo-glial junction.
Cellular Location	Membrane {ECO:0000250 UniProtKB:Q9CPW0}; Single-pass type I membrane protein. Cell projection, axon {ECO:0000250 UniProtKB:Q9CPW0}. Cell junction, paranodal septate junction {ECO:0000250 UniProtKB:Q9CPW0}. Note=Expressed in the juxtaparanodal region. {ECO:0000250 UniProtKB:Q9CPW0}

Tissue Location	Predominantly expressed in nervous system.
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.